



Explorers Program Overview

Greg Frazier
Deputy Program Manager - Explorers

2012 Explorers Astrophysics Mission of Opportunity
AO Pre-Proposal Workshop
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Explorers Program Overview (1 of 2)



- NASA's oldest, continuous program
 - Over 100 successful missions since 1958
- Program Objective—Frequent flight opportunities for world-class scientific investigations
- Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals



Explorers Program Overview (2 of 2)



- Mission class characterized by size, schedule, and budget cost caps
 - MIDEX
 - EX
 - SMEX
 - UNEX
 - Mission of Opportunity
 - Missions solicited through Announcement of Opportunity
 - Missions developed in Principal Investigator mode
 - Program Management oversight provided by the Explorers Program Office at GSFC
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Explorers Missions



MIDEX



XTE



ACE



FUSE



IMAGE



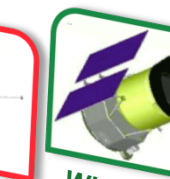
MAP



Swift



THEMIS



WISE

SMEX



SAMPEX



FAST



SWAS



TRACE



RHESSI



GALEX



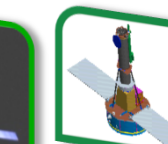
AIM



IBEX



NuSTAR

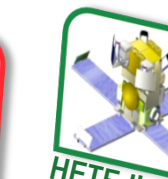


IRIS

UNEX & Missions of Opportunity and Internationals



SNOE



HETE-II



CHIPS



Integral



CINDI



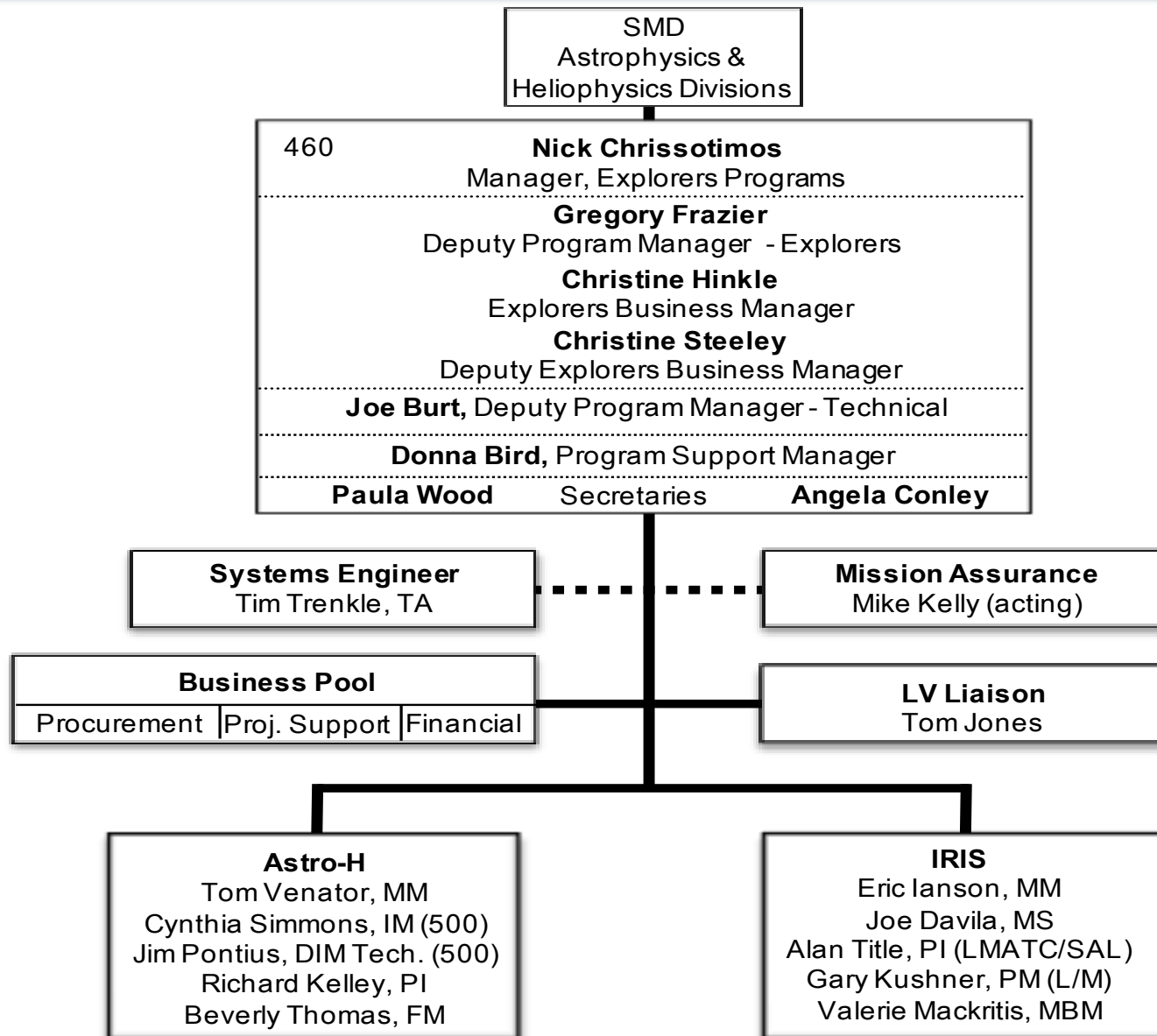
TWINS



Astro-H

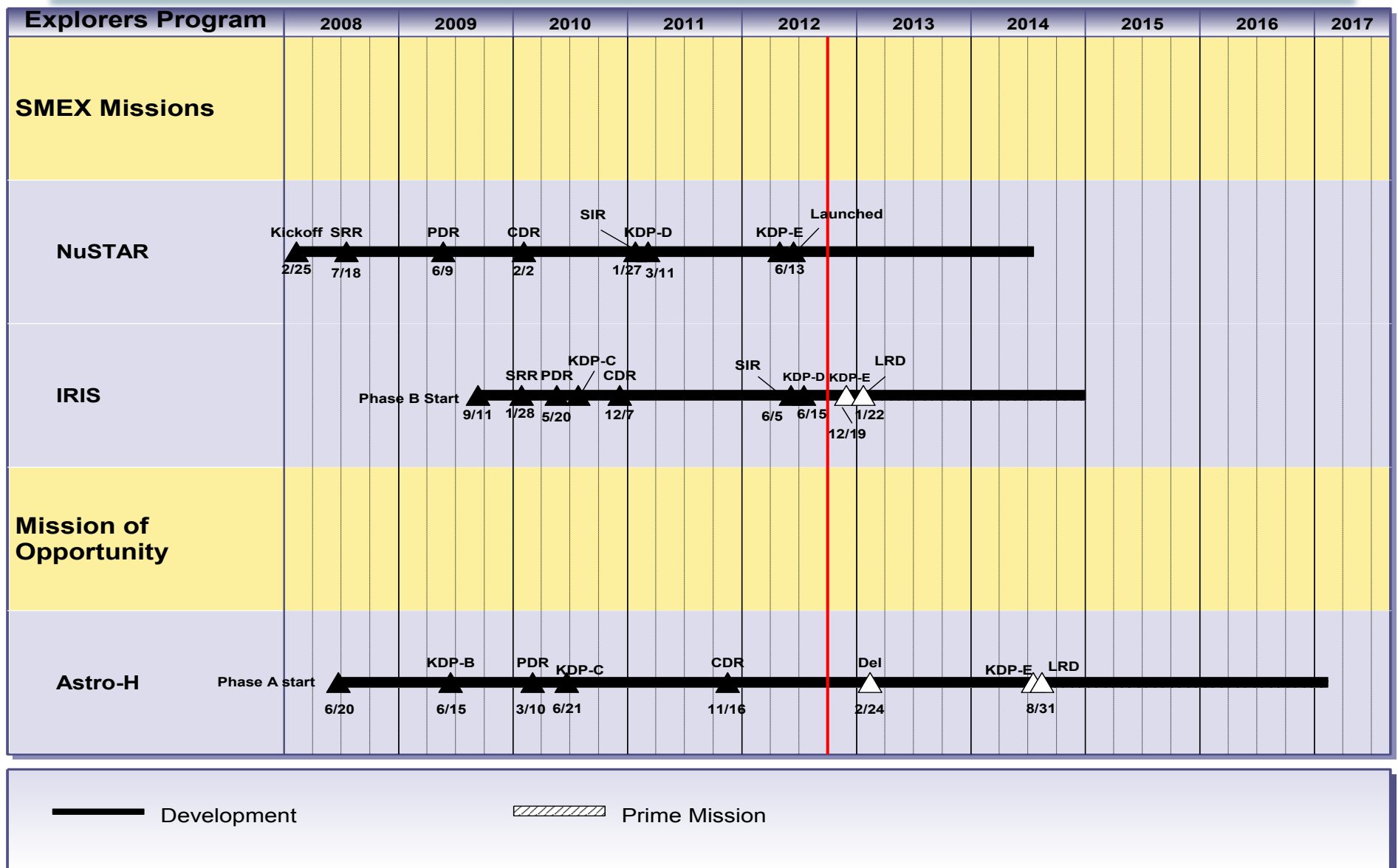


EXPLORERS PROGRAM ORGANIZATION CHART





EXPLORERS PROGRAM MASTER SCHEDULE





Mission Development Responsibilities



- NASA responsibility
 - Program administration
 - Moderate insight/oversight
 - Project review process
 - Technical Authority
 - Launch vehicle procurement
- PI responsibility
 - Level-1 science requirements/design concept
 - Mission implementation
 - Technical, cost, and schedule performance
 - Peer reviews
 - Safety and mission assurance
 - › PAIP—Product Assurance Implementation Plan (based on Explorers Mission Assurance Requirements)



Additional Information



Explorers Website:

<http://explorers.gsfc.nasa.gov/>

Explorers Library Website:

<http://soma.larc.nasa.gov/astrophysics/programlibrary.html>